

:			Anchor Bolts			Square Pile Pedestal						CIDH Pile				
Ground surface away from traffic Base P. Elev 4" Max, 21/2" Min mortar Ground surface adjacent	Post Type No.	Bolt Circle Dia	Bolt total and Dia	Total Length	Pedestal	Vertical Reinforcing						Vertical Reinforcing		Spiral		Foundation Depth
						Total	Bar Size	# of bars each face	Bar Size	Spacing	Pile Dia	Total	Bar Size	Bar Size	Pitch	x'x
Ground surface adjacent to traffic	I	2'-6"	14-2"	4'-2"	5′-6"	16	#11	5	#5	31/2"	5'-0"	28	11	#5	31/2"	25'-0"
	I	2'-10"	14-21/2"	5'-0"	1	1		1	_	- 1	1	1	1	1		25'-0"
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Ш	2'-10"	14-21/2"	1												25'-0"
	IV	3'-4"	16-21/2"													33'-0"
	¥	3'-4"	16-21/2"													33'-0"
	VI	3'-4"	16-21/2"	+	+	+	+	į.	+	+		+	+	į į	+	33'-0"
	* * !	Jse Fou otherwi	undation Dep se shown or	th shown the Pro	n in table bject Plan	unles	ss						II.			

DETAIL C

NOTES:

- 1. For anchor bolt layout, see Standard Plan S35.
- 2. For "Base ₱ elevation" see Project Plans.
- 3. Prior to erection of the post, backfill which is equivalent to the surrounding material, shall be in place.
- 4. Pedestal shall be formed 6" minimum below ground surface Remainder to be placed against undisturbed material.
- 5. Slope protection required when indicated on the Project Plans.
- 6. Foundation design is based on 2001 AASHTO article 13.6 Broms' approximate procedure assuming a cohesionless material. The angle of internal friction used is 30° and unit weight of soil used is 120 lb/ft^3 .

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGNS-TUBULAR SINGLE POST AND TWO POST TYPE SQUARE PEDESTAL PILE FOUNDATION

NO SCALE

S36

#5 @ 3// #5 @ 31/2" pitch Pile Hoop Pedestal vertical reinforcement. See table for size for Place concrete against undisturbed material Length 1 Pile Permissible Const joint CIDH Pile Vert Reinf Ground surface away from traffic-Pile diameter Slope protection See note 5 Ground surface adjacent to traffic 3" CIT Vertical reinforcement equally spaced (See table) Spiral Reinf

SECTION A-A

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